

ABSTRACT

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A reliable Medium Access Control layer protocol and method employing centralized management of communication in a Time Division Multiple Access network architecture. The Medium Access Control layer protocol implements Quality of Service guaranties to the layers of the Open Systems Interconnection reference model above the Medium Access Control layer by providing guaranteed bandwidth links within the bandwidth range specified by those layers. The Medium Access Control layer protocol further provides variable data slot requisition, variable data slot allocation, dynamic data slot reallocation, and data slot deallocation.

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